ABSTRACT

One slot arranged between two slots containing a first armature winding contains a second armature winding for a phase different from a phase of the first armature winding, and one slot arranged between the two of slots containing the first armature winding contains a third armature winding for a phase equal to the phase of the second armature winding, and one of the second armature winding and the third armature winding is arranged in a coil end portion in an outer peripheral side of the first armature winding, and the other is arranged in an inner peripheral side of the first armature winding. With this, the projected height of the coil end portion of the stator can be reduced.